Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/26/2018 12:51 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123425	-2	1.35	123441	1.36
Blue	F	SSC	125000	123955	-1	2.66	124590	2.63
Blue	E	FITC	16596	16127	-3	3.17	349	21.92
Blue	D	PE	29392	28753	-3	2.30	626	16.19
Blue	B	PerCP-Cy5-5	38531	38659	0	4.28	1173	22.47
Blue	A	PE-Cy7	26351	26384	0	7.41	641	44.27
Red	C	APC	43035	42186	-2	2.86	1585	13.79
Red	A	APC-Cy7	25611	25334	-2	2.92	876	12.78
Violet	B	V450	8803	8398	-5	4.11	460	14.54
Violet	A	V500	32560	31793	-3	3.87	738	11.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20374	4.57	604	7	N/A	N/A	Pass
Blue	F	SSC	56036	1.99	572	17	N/A	N/A	Pass
Blue	E	FITC	62	72.32	557	7	0.0167	215	Pass
Blue	D	PE	130	56.89	557	8	0.1473	348	Pass
Blue	B	PerCP-Cy5-5	226	53.73	663	12	0.0076	62	Pass
Blue	A	PE-Cy7	126	108.96	717	12	0.0094	26	Pass
Red	C	APC	369	28.87	606	9	0.0184	94	Pass
Red	A	APC-Cy7	214	28.64	580	9	0.0049	1264	Pass
Violet	B	V450	73	68.43	478	3	0.0508	2878	Pass
Violet	A	V500	111	37.44	488	4	0.0191	925	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.39	-32.22	1.13
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	16.09	13.60 - 20.40	N/A	N/A	29.61	29.89	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11610

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments